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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Patent Application of ) Group Art Unit: 2837  
Michael Kim et al. ) Examiner:  
Application No. 09/649,144 ) INFORMATION DISCLOSURE  
Filed: August 25, 2000 ) STATEMENT  
For: PERMANENT MAGNET ARRAY AND ) 2001 Ferry Building  
MAGNET HOLDER FOR FLYWHEEL ) San Francisco, CA 94111  
MOTOR/GENERATOR ) (415) 433-4150

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on December 21, 2000.

LIMBACH & LIMBACH L.L.P. Date: Dec. 21, 2000

By: *Kathleen LaBrie*  
Name: Kathleen LaBrie

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants submit herewith patents, publications or other information [attached hereto and listed on the attached Form PTO-1449 (modified)] of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement:

- (a) ☐ accompanies the new patent application submitted herewith. 37 CFR § 1.97(b)(1)
- (b) ☐ is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR § 1.491.

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- (c) ☒ as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits.
- (d) ☐ is filed after the first office action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$240) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below.
- (e) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and the Issue Fee has not been paid, and is accompanied by the fee (\$130) set forth in 37 CFR § 1.17(i)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

[If either of boxes (d) or (e) are checked above, the following "certification" under 37 CFR § 1.97(e) may need to be completed.] The undersigned certifies that:

- (f) ☐ Each item of information contained in the information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- (g) ☐ No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR

§ 1.56(c) more than three months prior to the filing of this information disclosure statement.

A list of the patent(s) or publication(s) is set forth on the attached Form PTO-1449 (Modified).

A copy of the items on PTO-1449 (Modified) is supplied herewith:

(h) ☐ each (i) ☐ none (j) ☒ all references cited but those listed below which are not available to the applicant:

1. U.S. Pat. Appln. 08/511,981 filed 8/7/95; *Self-Adjusting Magnetic Bearing System*
2. U.S. Pat. Appln. 08/383,287 filed 2/3/95; *Hallbach Array DC Motor/Generator*
3. U.S. Pat. Appln. 08/316,685 filed 9/30/94; *Concentric Ring Flywheel with Hooked Ring Carbon Fibre Separator/Torque Couplet*
4. U.S. Pat. Appln. 08/316,147 filed 9/30/94; *Concentric Ring Flywheel Without Differential Expansion Separators*
5. U.S. Pat. Appln. 08/645,731 filed 5/9/96; *Simple High Stiffness Separators For Flywheel Rotors*

To the extent any of these cited applications have not matured into issued patents, they are not to be published on any patent issuing from the present application.

A concise explanation of relevance of the items listed on form PTO-1449 (Modified) is:

(k) ☒ not given

(l) ☐ given for each listed item

(m) ☐ given for only non-English language listed item(s) [Required]

(n) ☐ is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the

relevant portions of the references  
[copy attached].

The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

[X] The Commissioner is hereby authorized to charge our Deposit Account No. 12-1420 for any fees required in connection with the filing of this Information Disclosure Statement. **A duplicate copy of this Notice is enclosed for this purpose.** In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-

named deposit account for any fees required  
pursuant to CFR §§ 1.17(p) or 1.17(i)(1).

Respectfully submitted,  
LIMBACH & LIMBACH L.L.P.

Dated: 12-21-00

By: Douglas C. Limbach  
Douglas C. Limbach  
Reg. No. 35,249  
Tel. No. 415/433-4150

Our File: TRIN-210

FORM PTO-1449 (Modified) (Rev. 7-80)		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. TRIN-210		Appln. No. 09/649,144	
<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)				Applicant(s) Kim et al.		Group	
				Filing Date August 25, 2000			
<b>U.S. PATENT DOCUMENTS</b>							
*Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date
	AA	4,423,345	12/83	Nilsson			
	AB	4,300,078	11/81	Pascal			
	AC	4,899,074	2/90	West			
	AD	4,973,872	11/90	Dohogne			
	AE	5,065,060	11/91	Takahashi et al.			
	AF	5,124,605	6/92	Bitterly et al.			
	AG	5,286,113	2/94	Post			
	AH	5,495,221	2/96	Post			
	AI	5,703,423	12/97	Fukao et al.			
	AJ	5,705,902	1/98	Merritt et al.			
	AK	5,736,800	4/98	Iannello et al.			
	AL	5,760,506	6/98	Ahlstrom et al.			
	AM	5,808,392	9/98	Sakai et al.			
	AN	5,821,650	10/98	Gunsallus et al.			
	AO	5,847,480	12/98	Post			
	AP	5,877,574	3/99	Molnar			
	AQ	5,880,544	3/99	Ikeda et al.			
	AR	5,924,335	7/99	Kuklo			
<b>FOREIGN PATENT DOCUMENTS</b>							
*Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation YES NO
<b>OTHER DOCUMENTS</b>							
Examiner				Date Considered			
* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (Modified) (Rev. 7-80)		U.S. Dept. of Commerce Patent and Trademark Office		Atty Docket No. TRIN-210	Appln. No. 09/649,144
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				Filing Date August 25, 2000	Group

  

U.S. PATENT DOCUMENTS							
*Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date	
AS	5,932,935	8/99	Clifton				
AT	5,941,132	8/99	Kuklo				
AU	5,945,754	8/99	Fulwood et al.				
AV	5,955,816	9/99	Clifton et al.				
AW	5,969,446	10/99	Eisenhaure et al.				
AX	5,969,457	10/99	Clifton et al.				
AY	6,023,152	2/00	Briest et al.				
AZ	6,029,538	2/00	Little et al.				

  

FOREIGN PATENT DOCUMENTS							
*Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation YES NO	

  

OTHER DOCUMENTS		
BA	Post, Richard F. et al., <u>A High-Efficiency Electromechanical Battery</u> , IEEE, Vol. 81, No. 3, March 1993, pages 462-474.	

  

Examiner	Date Considered
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\* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

